

SUMMARY TABLE

CAS No. 2082-79-3	DATE	RESULTS	FULFILLS REQUIREMENT
PHYSICAL/CHEMICAL ELEMENTS			
Melting Point	2000	241.0 °C	Yes
Boiling Point	2000	560.8 °C	Yes
Vapor Pressure	2000	3.4×10^{-13} mm Hg	Yes
Partition Coefficient	2000	log P = 13.4	Yes
Water Solubility	2000	6.1×10^{-9} mg/L (25 °C)	Yes
ENVIRONMENTAL FATE ELEMENTS			
Photodegradation	2000	For reaction with hydroxyl radical, predicted rate constant = 43.2×10^{12} cm ³ /molecule-sec predicted half-life = 3.0 h	Yes
Stability in Water	2000	t _{1/2} at pH 8 = 264.0 days t _{1/2} at pH 7 = 7.2 years	Yes
Fugacity	2000	Predicted distribution using Level III fugacity model Air 0.080% Water 2.32% Soil 30.7% Sediment 66.9%	Yes
Biodegradation	1984	Partially biodegradable 32% after 29 days	Yes
	1991	Inherently biodegradable 13.3 mg/L: 47% after 35 days 25.9 mg/L: 21% after 35 days	Yes
ECOTOXICITY ELEMENTS			
Acute Toxicity to Fish	1984	Bluegill fish (Lepomis macrochirus) EC ₀ (96 h) = 50 mg/L EC ₅₀ (96 h) => 100 mg/L EC ₁₀₀ (96 h) => 100 mg/L	Yes
	1984	Rainbow trout (Salmo gairdneri) EC ₀ (96 h) => 100 mg/L EC ₅₀ (96 h) => 100 mg/L EC ₁₀₀ (96 h) => 100 mg/L	Yes
Toxicity to Aquatic Plants	1992	Green algae (Scenedesmus subspicatus) EC ₅₀ (72 h) => 30 mg/L NOEC = 30 mg/L	Yes
Acute Toxicity to Aquatic Invertebrates	1984	Daphnia magna EC ₀ (24 h) => 100 mg/L EC ₅₀ (24 h) => 100 mg/L EC ₁₀₀ (24 h) => 100 mg/L	Yes

SUMMARY TABLE, CONTINUED

CAS No. 2082-79-3	DATE	RESULTS	FULFILLS REQUIREMENT
HEALTH ELEMENTS			
Acute Toxicity	1992	Rat: LD ₅₀ (Dermal) > 2000 mg/kg	Yes
	1978	Rat: LC ₅₀ (Inhalation) > 1800 mg/m ³	Yes
	1981	Rat: LD ₅₀ (Oral) > 5000 mg/kg	Yes
Genetic Toxicity in vivo	1975	Mouse: No evidence of dominant lethal effects (single gavage dose of 1000 or 3000 mg/kg). No effect on mating ratio, implantations, or embryonic death	Yes
	1976	Chinese hamster: Nonmutagenic in somatic mutation assay (exposed by gavage 500, 1000, or 2000 mg/kg/day for 2 days)	Yes
	1981	Chinese hamster: No evidence of chromosomal aberrations (exposed by gavage 500, 1000, or 2000 mg/kg for 2 days)	Yes
Genetic Toxicity in vitro	1977	Salmonella typhimurium: No increase in mutations with or without metabolic activation (at doses of 10 – 250 µg/0.1 mL)	Yes
Repeated Dose Toxicity	1991	Rat: NOAEL = 30 mg/kg (28-days exposure, gavage)	Yes
Reproductive Toxicity	1986	Rat: NOAEL parental = 1500 ppm LOAEL F1 offspring = 500 ppm LOAEL F2 offspring = 500 ppm	Yes
Developmental Toxicity/Teratogenicity	1975	Rat: NOAEL maternal toxicity = 150 mg/kg NOAEL teratogenicity > 1000 mg/kg	Yes
	1975	Mouse: NOAEL maternal toxicity = 1000 mg/kg NOAEL teratogenicity = 1000 mg/kg	Yes